

ABSTRACT OF THE DISCLOSURE

The invention provides a tube for use in furnaces where gas and liquid media are being passed through the tube from one end to the other while being subjected to

5 substantial heating and decomposition resulting therefrom. The tube is made of a stainless iron-nickel-chromium-base alloy comprising in weight-% max 0.08% C, 23-27% Cr, 33-37% Ni, 1.3-1.8% Mn, 1.2-2% Si, 0.08-0.25% N, 0.01-0.15% rare earth metals, and Fe and usual impurities. The cylindrical tube has a smooth outer surface and an inner surface provided with valleys or recesses extending longitudinally

10 with a smoothly curved bottom profile.